"Plans are nothing . . . Planning is Everything."

DWIGHT D. EISENHOWER, 34TH PRESIDENT OF THE UNITED STATES



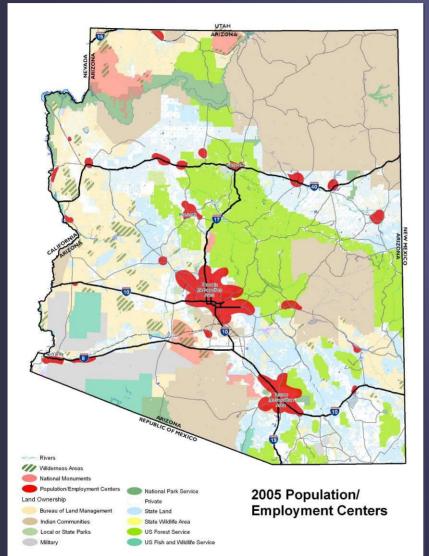
Arizona's Framework Studies

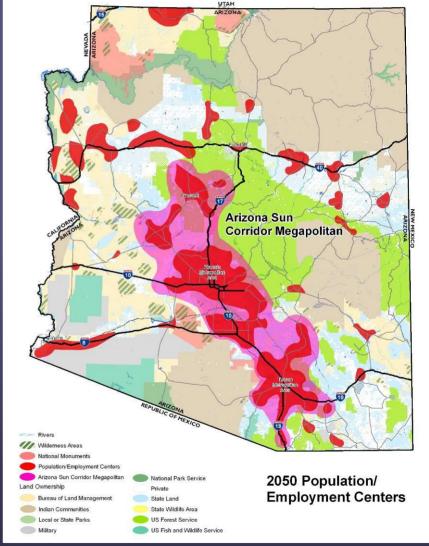
Arizona State Legislature Blue Ribbon Transportation Committee

December 4, 2007



Potential Statewide Growth







County Population Projections

Source: Arizona Department of Employment Security and COG/MPO Planning Agencies

County	2005	2030	2050
Apache	74,600	93,500	104,200
Cochise	134,800	187,700	212,800
Coconino	132,800	173,800	198,200
Gila	55,100	70,000	78,300
Graham	35,900	44,600	49,900
Greenlee	8,300	8,300	9,100
La Paz	21,500	28,100	30,900
Maricopa	3,700,000	6,100,000	8,100,000
Mohave	194,900	330,600	401,000
Navajo	112,700	165,600	192,400
Pima	921,500	1,600,000	1,700,000
Pinal	276,000	1,300,000	2,200,000
Santa Cruz	45,300	71,000	84,700
Yavapai	212,700	355,400	418,700
Yuma	195,500	316,100	377,600
State of Arizona	6,100,000	11,000,000	14,100,000



"Make no little plans; they have no magic to stir men's blood and probably themselves will not be realized. Make big plans; aim high in hope and work, remembering that a noble, logical diagram once recorded will not die."

DANIEL H. BURNHAM, AMERICAN ARCHITECT AND CHICAGO URBAN PLANNER



Mobility Reconnaissance Study

A project by the ARIZONA COG/MPO ASSOCIATION and the ARIZONA DEPARTMENT OF TRANSPORTATION



Contributions to the Quality of Life

STATEWIDE MOBILITY RECONNAISSANCE STUDY

Identify and Prioritize
Short- and MediumTerm Transportation
Needs

Building a Quality Arizona

Strategic Statewide Implementation Program Long Range
Transportation, Land
Use, and Economic
Development Strategy



BUILDING A QUALITY ARIZONA

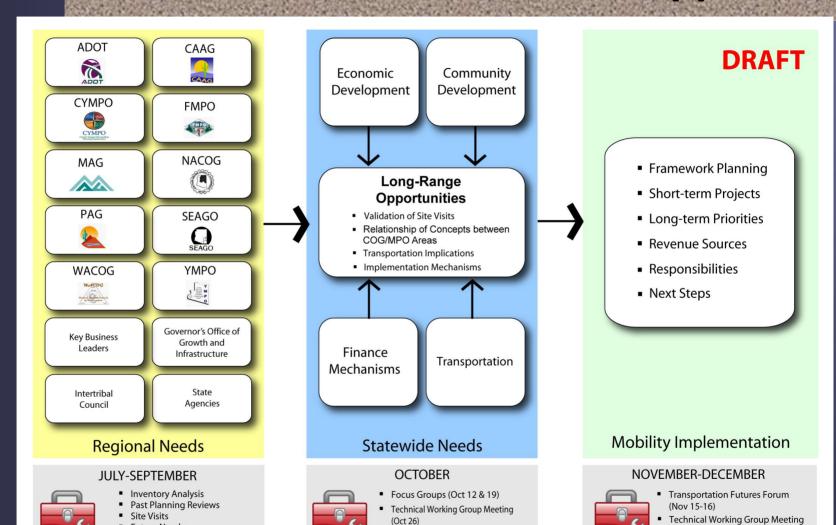
Approach

(Nov 30)

COG/MPO Association Meeting

Blue Ribbon Task Force Briefings

Governor's Growth Cabinet Briefing



Blue Ribbon Task Force Briefings

Governor's Growth Cabinet Briefing



Future Needs

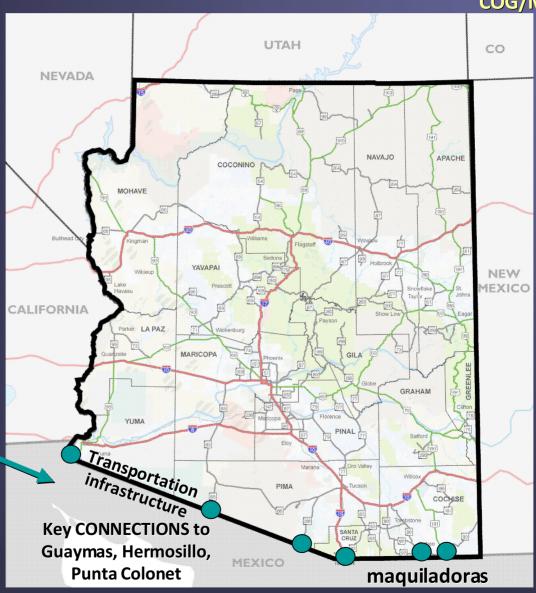
Stakeholder Meetings

COG/MPO Association Briefing at League Conference (Aug 30)

Technical Working Group Meeting

Mexico

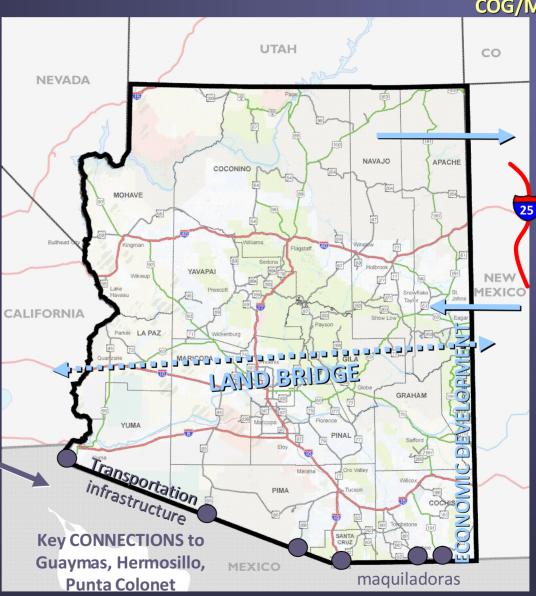
COG/MPO DISCUSSIONS



Mexico's fastest growing states are in the north (Sonora, Chihuahua, and Nuevo Leon)

New Mexico

COG/MPO DISCUSSIONS



Navajo Nation relates more to New Mexico

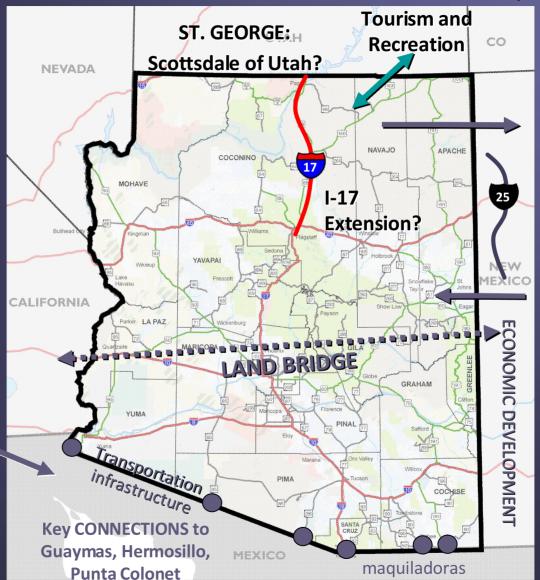
High-tech industry along I-25 Corridor

Eager/ Springerville provide shopping/services to western New Mexico

Mexico's fastest growing states are in the north (Sonora, Chihuahua, and

Utah

COG/MPO DISCUSSIONS



Navajo Nation relates more to

High-tech
industry along
I-25

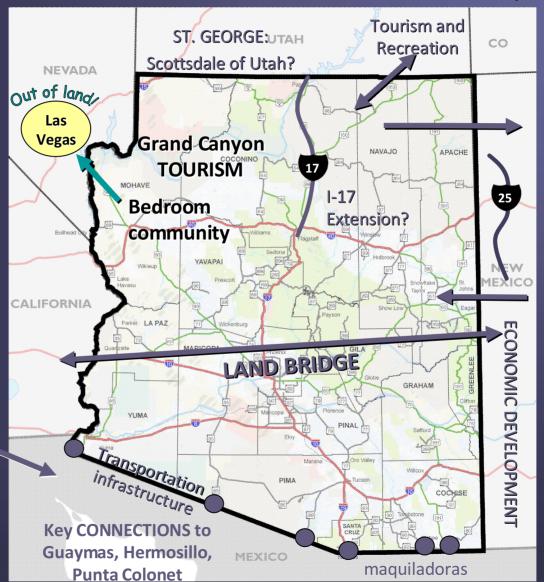
Eager/ Springerville provide shopping/ services to Western New Mexico

Mexico's fastest growing states are in the north (Sonora, Chihuahua, and



Nevada

COG/MPO DISCUSSIONS



Navajo Nation relates more to New Mexico

High-tech industry along I-25

Eager/ Springerville provide shopping/ services to Western New Mexico

Mexico's fastest
growing states are
in the north
(Sonora,
Chihuahua, and

California

COG/MPO DISCUSSIONS

California
Population
60 M by
2050!

People
Businesses
Second homes
Tourists
Commercial
Vehicles

Mexico's fastest of growing states are in the north (Sonora, Chihuahua, and Nuevo Leon)



Navajo Nation relates more to New Mexico

High-tech industry along I-25

Eager/ Springerville provide shopping/ services to Westerr New Mexico



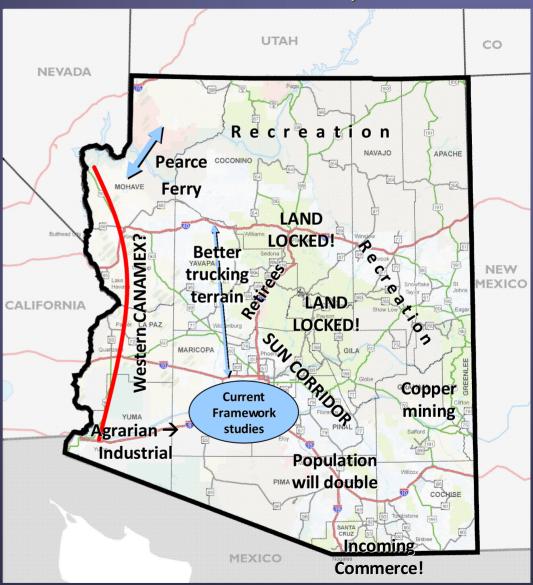
BUILDING A QUALITY ARIZONA

Commercial Trucking

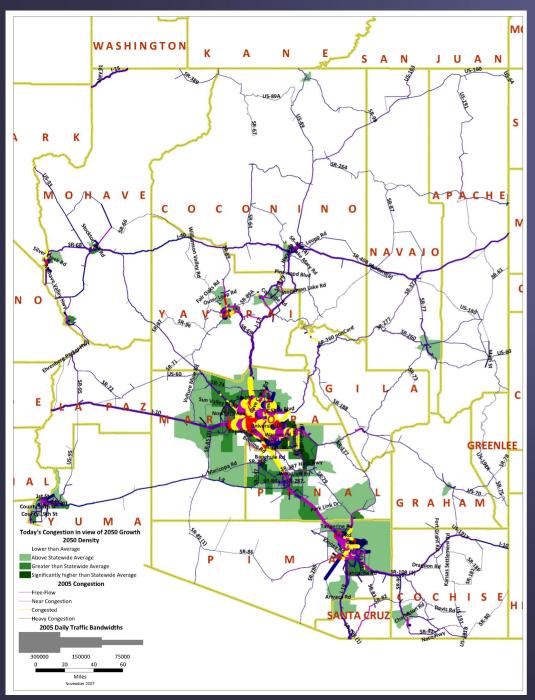
- Distribution throughout
 Southwest USA
- Elevation in Central Arizona (SR-89/SR-69)
- US-95/SR-95 Corridor
- CANAMEX
- Natural Resources
 - Copper in Safford Area
- Emerging Industries
 - Welton Oil Refinery
 - Warehousing
- Agriculture
- Sun Corridor Megapolitan
 - Prescott
 - Phoenix
 - Tucson
- Recreation and Tourism



COG/MPO DISCUSSIONS

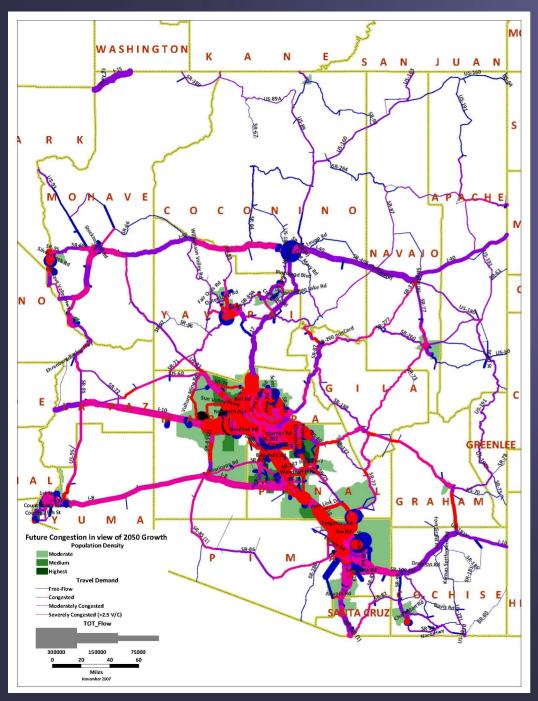






Today's Traffic

- Little transportation infrastructure in the emerging populated areas
- Shaded areas represent 90% of Arizona's Population in 2050 (14 million)
- Represent 10% of Arizona land



Future Traffic

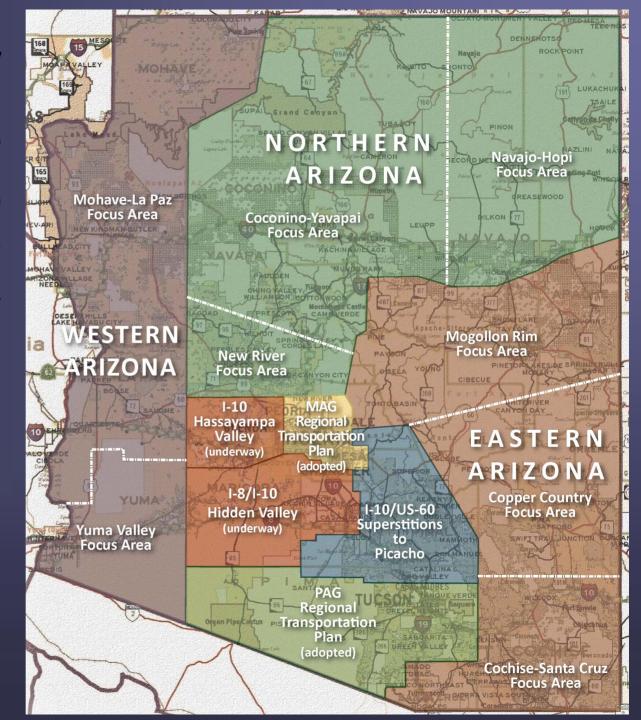
- Demand over 100,000 vpd on Interstate 10 from California to Tucson
- Demand over **75,000 vpd** on Interstate 40 from California to Holbrook
- Demand over 90,000 vpd on segments of
 - Interstate 8
 - Interstate 17
 - Interstate 19
- 4-lane rural freeway capacity is
 70,000 vehicles per day (vpd)

Arizona's Framework Study Plan

2008 to 2009 and beyond . . .

Study Areas

As agreed to by the Arizona COG/MPO Association and the Arizona Department of Transportation October 4, 2007





Framework Study Objectives

- Identify needs and potential improvements to Arizona's transportation network:
 - State highways existing and new
 - Regional facilities, e.g. parkways
 - Major arterials
 - Bus
 - Rail
 - Bicycle and pedestrian
- Long-range focus:
 - 2030
 - 2050





Framework Approach

- Studies will cover the statewide multimodal transportation system
- Analysis of state/county/local roads and public transportation will be integrated to develop a transportation network for each region
- Connectivity between regions will be analyzed
- Extensive outreach to stakeholders and partners:
 - General public
 - Elected officials
 - Tribes
 - Counties, cities, towns, COGs, MPOs
 - Business community
 - Land developers and others
 - Military Installations
 - Conservation Groups





- Identify current conditions
 - Population, employment
 - Travel demand
 - Environmental issues
- Forecast future conditions
 - -Use computer modeling to project conditions in 2030 and 2050



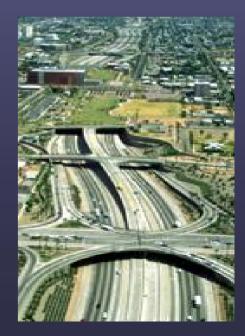


- Develop transportation network alternatives:
 - Integrate multimodal alternatives
 - -Based on known development, topography, environmental issues, projected travel demand, local standards, stakeholder input
 - Screen for "fatal flaws"



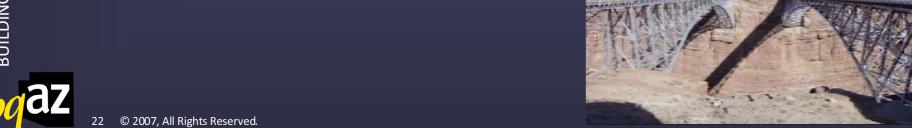


- Evaluate network alternatives:
 - Identify specific projects that comprise each network alternative
 - Estimate costs
 - Solicit stakeholder input





- Develop network recommendations:
 - Refine estimates for the selected network to include capital, operation, construction, right of way, and maintenance costs
 - Develop and implement a process to prioritize projects that comprise the network
 - Identify responsible jurisdictions, potential funding, and a general timeline for the implementation of projects





Framework Summary

- Framework studies will identify multimodal, multi-jurisdictional needs and potential improvements to Arizona's transportation network on a statewide basis
- The participation of all stakeholders is essential to the framework process



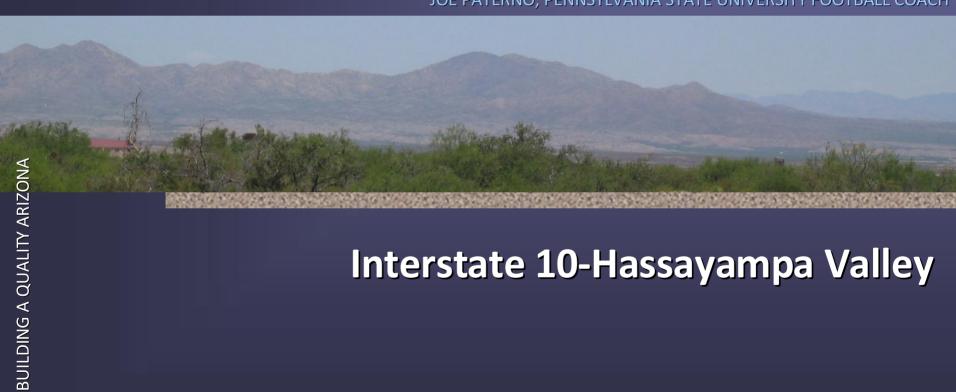


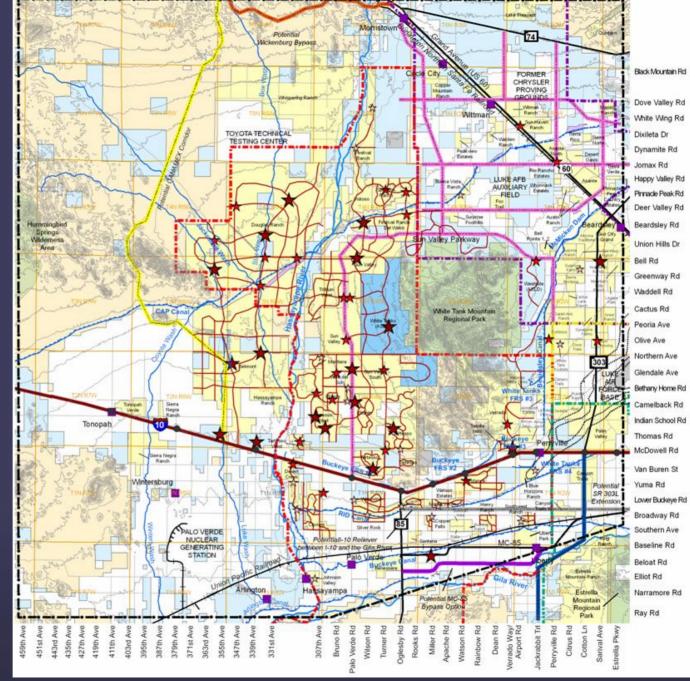
Why do we need Frameworks?

- "Getting in front of Growth," by understanding:
 - Land use, socio-economic, and development patterns
 - Programmed improvements
 - Regional connections
 - System continuity
 - Corridor preservation







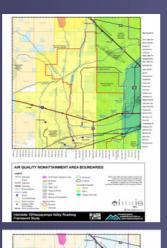


BUILDING A QUALITY ARIZONA

Projections INTERSTATE 10-HASSAYAMPA VALLEY

	Dwelling Units	Population	Employment
2005	55,000	138,000	48,000
2030	395,000	948,000	379,000
Build-Out	906,000	2,862,000	836,000











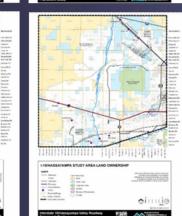
Environmental Scan

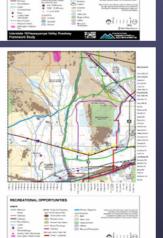
INTERSTATE 10-HASSAYAMPA VALLEY

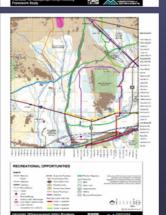
• Existing Land Use

Future Land Use

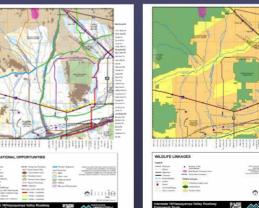
- Air Quality
- Major Economic Centers
- Utility Corridors
- Drainage
- Wildlife Corridors







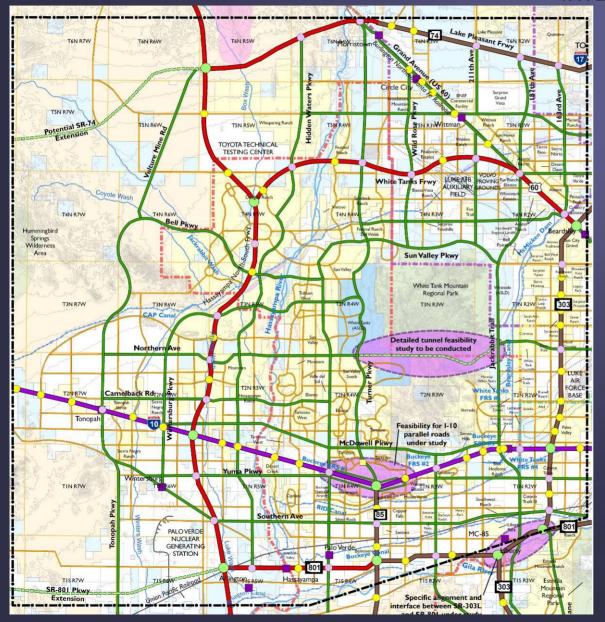






Transportation Framework

INTERSTATE 10-HASSAYAMPA VALLEY



Freeways

Existing Freeway Improvements

Future RTP Freeways

New Freeway Proposals

Parkways

New Parkway Alternatives

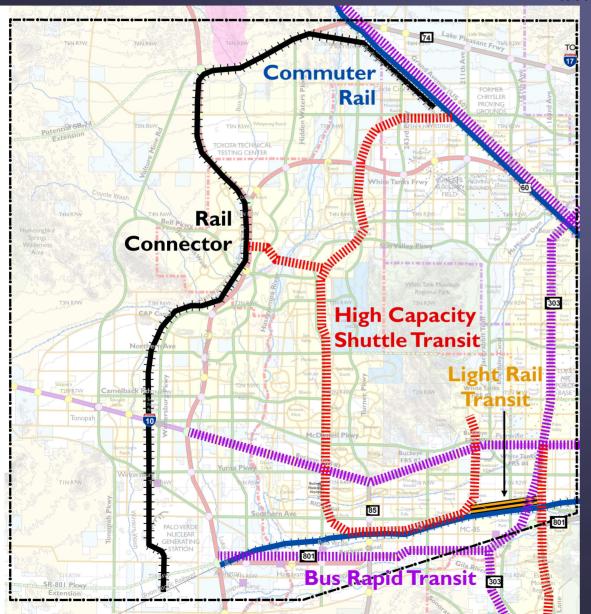
----- New Parkway Proposals

Major Arterials

Future Major Arterial Network

Transit Framework

INTERSTATE 10-HASSAYAMPA VALLEY



Potential High Capacity Transit

Bus Rapid Transit

|||||||||| High Capacity Shuttle Transit

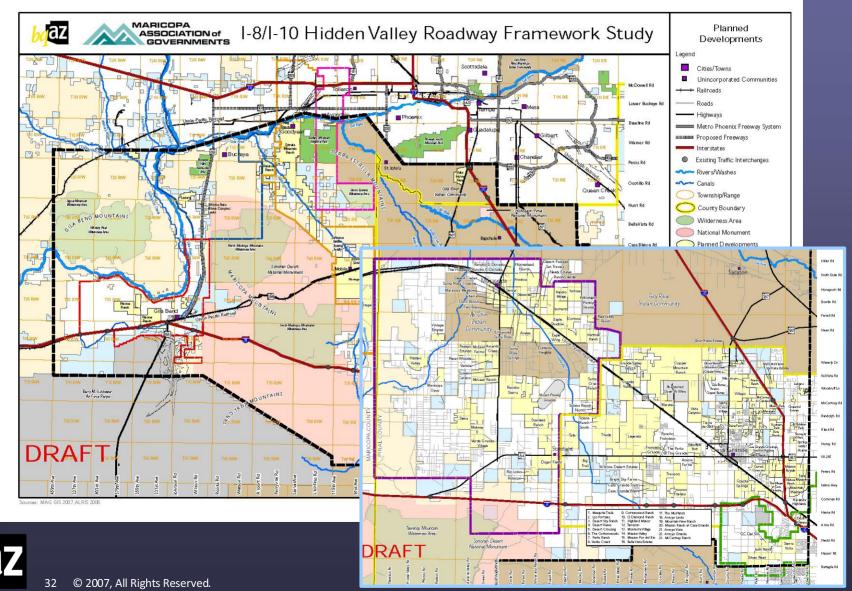
Commuter Rail

Freight and Passenger Rail Connector

Light Rail Transit

Interstates 8 and 10 – Hidden Valley

Study Area INTERSTATES 8 AND 10-HIDDEN VALLEY















Cultural Resources



- Air Quality
- Aviation
- Slopes Analysis
- Hazardous Materials
- Natural Vegetation
- Land Ownership
- Major Economic Centers
- Title VI/Environ Justice
- Conservation Areas
- Utility Corridors
- Biological Resources
- Recreation Opportunities
- Wildlife Corridors





















"Always do right. This will gratify some people, and astonish the rest."

MARK TWAIN, AMERICAN AUTHOR

For more information:

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Director of Planning

Arizona COG/MPO Assoc

Arizona Department of

Maricopa Association

Transportation

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